

ABSTRACT

070 A method and apparatus for estimating the presence of RF interference in a wireless data channel is described. The method and apparatus comprises a set of identical tracking/register (T/R) filter blocks, each T/R filter block associated and corresponding to an RF channel of interest. Each T/R filter block includes a pair of tracking/register (T/R) filters. Power/magnitude estimates from an RSSI calculation are input to the T/R filter blocks. One T/R filter is used to estimate the noise floor (in the absence of interference). The T/R filter latches and filters the lowest input values received from a power/magnitude circuit. The other T/R filter estimates the level of an interferer, if present, by latching and filtering the largest valued outputs of the power/magnitude circuit.